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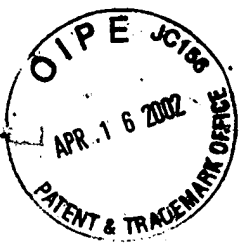
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:  
Chuanwen Sun, et al.

Serial No. 09/918,981

Filed: July 31, 2001

Title: RELATIVE TRUE AMPLITUDE  
MIGRATION

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Group Art Unit: 2862

Examiner: Unknown

Atty Docket No. P30628US

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**POWER OF ATTORNEY BY ASSIGNEE**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

The undersigned Assignee of the above-identified Application hereby appoints the following attorney:

E. Eugene Thigpen Reg. No. 27,400

to prosecute this Application, with full power of substitution and revocation, to make alterations and amendments therein, and to transact all business in the United States Patent Office connected therewith. All future correspondence should be addressed to:

E. Eugene Thigpen  
Petroleum Geo-Services, Inc.  
16010 Barker's Point Lane  
Suite 600  
Houston, Texas 77079

Direct Dial Tel: 281-368-8268  
Facsimile: 281-589-1482  
E-Mail: eugene.thigpen@pgs.com

CERTIFICATE UNDER 37 CFR 3.73(b)

PGS Americas, Inc., a corporation of Delaware, having its principle place of business at 16010 Barker's Point Lane, Suite 600, Houston, Texas 77079, certifies that it is the Assignee of the entire right, title and interest in the patent application identified above by virtue of:

An Assignment executed by the inventors, Chuanwen Sun and Ruben Martinez,  
on August 8, 2001.

A copy of the recorded Assignment is attached.

The undersigned has reviewed the documents in the chain of title of the Application identified above and, to the best of undersigned's knowledge and belief, title is in the Assignee identified above.

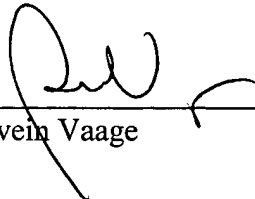
The undersigned, Svein Vaage, Senior Vice President, is empowered to act on behalf of the Assignee.

The undersigned further declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,

Date: April 1, 2002

PGS AMERICAS, INC.

  
\_\_\_\_\_  
Svein Vaage



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
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OCTOBER 30, 2001

PTAS

ARNOLD & ASSOCIATES  
H. ARTOUSH OHANIAN  
2603 AUGUSTA, SUITE 800  
HOUSTON, TX 77057



\*101829640A\*

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NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
SUN, CHUANWEN

DOC DATE: 08/08/2001

ASSIGNOR:  
MARTINEZ, RUBEN

DOC DATE: 08/08/2001

ASSIGNEE:  
PGS AMERICAS, INC.  
16010 BARKER'S POINT LANE, SUITE  
600  
HOUSTON, TEXAS 77079

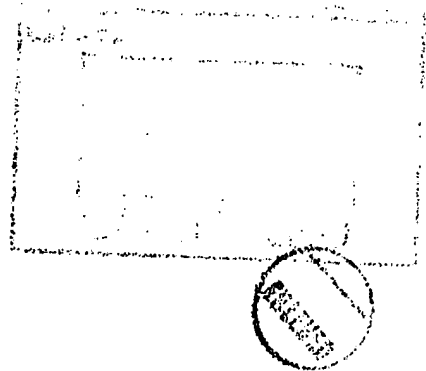
SERIAL NUMBER: 09918981  
PATENT NUMBER:

FILING DATE: 07/31/2001  
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MARCUS KIRK, EXAMINER  
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RE



101829640

To the Honorable Commissioner of Patents and Trademarks

1. Name of conveying party(ies): Chuanwen Sun  
Ruben MartinezAdditional name(s) of conveying party(ies) attached? yes ☒ no

2. Name and address of receiving party(ies)

Name: PGS Americas, Inc.

Internal Address:

Street Address: 16010 Barker's Point Lane, Suite 600  
Houston, Texas 77079Additional name(s) & address(es) attached? Yes ☒ No

3. Nature of Conveyance:

☒ Assignments☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Dates: 8/8/01

4. Application number(s) or patent number(s): Attorney Docket No. P30628US

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s) 09/918,981

B. Patent No(s)

Additional numbers attached? Yes ☒ No

5. Name and address of party to whom correspondence concerning documents should be mailed:

Name: H. Artoush Ohanian

Internal Address: Arnold &amp; Associates

Street Address: 2603 Augusta, Suite 800, Houston, Texas 77057

6. Total number of applications and patents involved

7. Total fee (37 CFR 3.41) \$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number: 01-2511

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

H. Artoush Ohanian

Name of Person Signing

Signature

8-20-2001

Date

Total number of pages comprising cover sheet 1

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Mail documents to be recorded with required cover sheet information to:  
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Washington, D.C. 20231

## ORIGINAL ASSIGNMENT

For valuable consideration, I

<u>Chuanwen Sun</u> (Type name of inventor)	of	Residence Address:	4410 Autumn Mist Court Katy, Texas 77450
		Citizenship:	China
<u>Ruben Martinez</u> (Type name of inventor)	of	Residence Address:	6311 Wagner Way Sugarland, Texas 77479
		Citizenship:	Mexico

the below signed joint inventor(s) of record, hereby assign to

**PGS Americas, Inc.**

a corporation having a place of business at

**16010 Barker's Point Lane, Suite 600**

**Houston, Texas 77079**

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent signed by me this day entitled

### **"Relative True Amplitude Migration"**

this assignment including said application, any and all United States and foreign patents, utility models, design registrations, inventor's certificates and other similar rights granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name, or in its own name, for patents, utility models, design registrations and like rights of exclusion and for inventor's certificates for said inventions and improvements; and I agree for myself and my heirs, legal representatives and assignees, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereby set my hand, date of signature and place of signature as indicated below.

Chuanwen Sun  
Signature of Inventor

Chuanwen Sun  
Typed Name

8/8/01  
Date of Signature

Houston, USA  
Place of Signature  
City, Country

Ruben D. Martinez  
Signature of Inventor

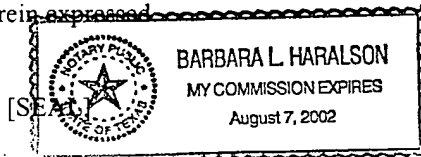
Ruben Martinez  
Typed Name

8/8/01  
Date of Signature

Houston, USA.  
Place of Signature  
City, Country

BEFORE ME, the undersigned authority, on the day and year above specified, personally appeared Chuanwen Sun, known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged to me that he executed the instrument of his own free will and for the purposes and consideration therein expressed.

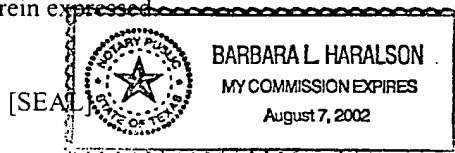
Notary Public



Barbara L. Haralson

BEFORE ME, the undersigned authority, on the day and year above specified, personally appeared Ruben Martinez, known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged to me that he executed the instrument of his own free will and for the purposes and consideration therein expressed.

Notary Public



Barbara L. Haralson